Tentative Outline

Special Issue for Current Drug Metabolism

Guest Editor: Prof. M.A. Kamal

Global Trends for Nanotechnological Approaches in Various Health Issues

Aims & Scope:

The race of scientific researchers around the globe to finding a solution for the cure of various human health issues from “bench-to-bedside approach” explores various solutions such as Nanomedicine. In this special issue of Current Drug Metabolism (CDM), the aim is to look at the current progress and future perspective of different nanotechnological approaches for public health issues such as neurodegenerative disorders (ND) particularly Alzheimer's disease (AD), Parkinson's disease (PD), cancer and diabetes particularly type 2 diabetes (T2DM).

Hence, it is reasonable to assume that both dilemma of ND and T2DM are two frustrating health disarrays, agitating millions in this era of science and technology all-around the globe. Both scenarios can be further proliferated with the extension of age spans and baby booms in some of the advanced countries. Therefore, special attention is required by medical scientists to control these health issues. This hot issue of CDM requires authors to shed light on those important features like abnormality in the level of some enzymes, hormones, peptides, inflammatory modulators, microbiota, bacterial/viral infection and insulin signaling system in their review articles. In this way, this special issue of CDM will help in-depth understanding of the global trends in nanotechnological approaches for further drug development and clinical aspects for better progress towards management strategies in various health issues.

Keywords:

Alzheimer's disease, Cancer, Carbon nanotubes/nanodots, CNS, Drug delivery systems, Graphene, Huntingtin, Liver, Microbiology, Nanomedicines, Nanotechnology, Neurodegenerative Disorders, Obesity, Parkinson's disease, Type 2 Diabetes Mellitus

Subtopics:

1. Nanomedicines Designing for Management of Human Disorders
2. A synopsis on nano-technological approaches towards anti-CNS diseases research
3. An overview on global trends in nanotechnological approaches in various health issues
4. Nanotechnological expectation in management of Alzheimer's disease
5. Nanotechnological approach in management of Type 2 Diabetes Mellitus
6. Nanotechnological expectation in management of Parkinson's disease

Schedule:

Date for Submission of Tentative Title: November 2013
Tentative Summary Submission Deadline to Guest Editor: February 2014
Manuscript Submission Deadline to Guest Editor: July 2014
Peer Review Due: August 2014
Revision Due: September 2014
Notification of Acceptance by the Guest Editor: October 2014